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The following is an English translation of AMENDMENT, which is submitted to JPO in December 11, 2002.

AMENDMENT

To: Commissioner of the Patent Office

1. Identification of the International Application

PCT/JP02/08212

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4. Object for amendment

Scope of claims

5. Content of amendment

Scope of claims is amended as per the attached document.

6. List of the attached document

Scope of claims page 23 and 23/1

- 6. The nucleic acid detection apparatus according to claim 5, wherein the DNA microarray is formed by immobilizing the nucleic acid probe on the surface of gate insulator directly or via a carrier and comprising a plurality of insulated gate field effect transistors corresponding to the plurality of nucleic acid probe parts; and the detecting units monitor outputs from the insulated gate field effect transistors.
- 7. The nucleic acid detection apparatus according to claim 5, wherein the DNA microarray comprises a plurality of sections having the plurality of nucleic acid probe parts; and time required for hybridization between the specific nucleic acid and the nucleic acid probe is different in each section.
- 8. (After amendment) A DNA microarray comprising a plurality of sections comprising a plurality of nucleic acid probe parts having a nucleic acid probe capable of hybridizing to a specific nucleic acid, wherein time required for hybridization between the specific nucleic acid and the nucleic acid probe is different in each of the plurality of sections.
- 9. The DNA microarray according to claim 8, comprising detecting units that are arranged corresponding to the plurality of nucleic acid probe parts and detect hybridization between the specific nucleic acid and the nucleic acid probe.
- 10. The DNA microarray according to claim 9, wherein the detecting units are insulated gate field effect transistors.
- 11. (Deleted)
- 12. The DNA microarray according to claim 8, comprising a plurality of sections having the plurality of nucleic acid probe parts, wherein a density of the nucleic acid probe in the nucleic acid probe part differs in each of the plurality of sections.
- 13. The DNA microarray according to claim 8, comprising a plurality of sections having the plurality of nucleic acid probe parts, wherein an area of the nucleic acid probe part differs in each of the plurality of sections.
- 14. The DNA microarray according to claim 8, comprising a plurality of sections having the plurality of nucleic acid probe parts, wherein a length of the nucleic acid probe differs in each of the plurality of sections.

- 15. (Added) A DNA microarray comprising a plurality of sections comprising a plurality of nucleic acid probe parts having a nucleic acid probe capable of hybridizing to a specific nucleic acid, wherein an area of the nucleic acid probe part differs in each of the plurality of sections.
- 16. (Added) The DNA microarray according to claim 15, comprising detecting units that are arranged corresponding to the plurality of nucleic acid probe parts and detect hybridization between the specific nucleic acid and the nucleic acid probe.
- 17. (Added) The DNA microarray according to claim 16, wherein the detecting units are insulated gate field effect transistors.
- 18. (Added) The DNA microarray according to claim 15, comprising the plurality of sections provided with the plurality of nucleic acid probe parts, wherein time required for hybridization between the specific nucleic acid and the nucleic acid probe is different in each of the plurality of sections.
- 19. (Added) The DNA microarray according to claim 15, comprising the plurality of sections having the plurality of nucleic acid probe parts, wherein a density of the nucleic acid probe in the nucleic acid probe part differs in each of the plurality of sections.
- 20. (Added) The DNA microarray according to claim 15, comprising the plurality of sections having the plurality of nucleic acid probe parts, wherein a length of the nucleic acid probe differs in each of the plurality of sections.